

MINNESOTA AG NEWS

WEEKLY CROP-WEATHER



USDA, NASS, MINNESOTA
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Released: August 1, 2005
Issue No. CW-30-05

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USDA, NASS, MINNESOTA FIELD OFFICE, IN COOPERATION WITH THE NATIONAL WEATHER SERVICE
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, FSA, NRCS, DNR

RAIN, COOLER TEMPERATURES IMPROVE SOIL MOISTURE SUPPLIES

Topsoil moisture supplies improved as a strong cold front early in the week brought much-needed rain and cooler temperatures, according to the USDA, NASS, Minnesota Field Office. The small-grain harvest is underway, and row-crop development continues well ahead of average. Strong winds in west- and south-central parts of the State caused some lodging of corn and small grains, and scab was reported in some wheat-growing areas.

The average temperature for the week was 67.3 degrees, 3.0 degrees below normal. Statewide topsoil moisture supplies as of July 29th were rated 4% very short, 19% short, 72% adequate, and 5% surplus.

An estimated 5% of Spring Wheat acreage was harvested as of Sunday, compared with 1% for the same date in 2004 and 5% for the five-year average. Oats were 33% harvested, compared with 15% last year and 24% for the five-year average. Barley was 12% harvested, compared with 4% last year and 10% for the five-year average.

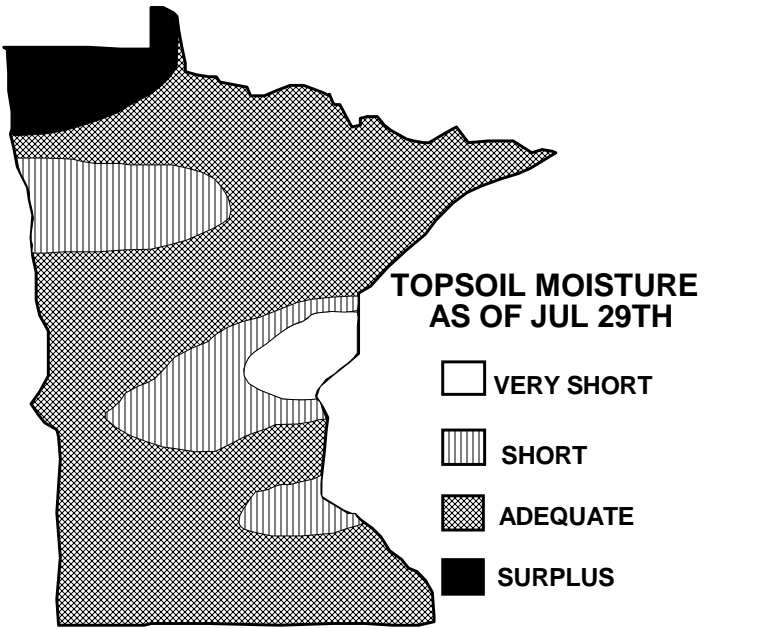
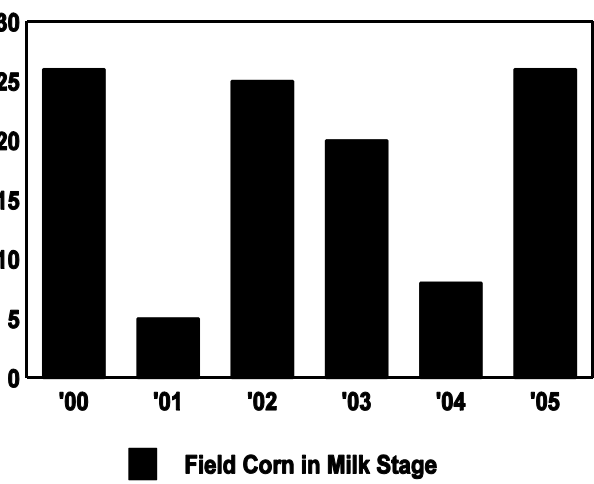
Ninety-eight percent of the corn was silking, compared with 75% last year and 87% for the five-year average. Twenty-six percent was in the milk stage versus 8% last year and 17% for the five-year average. Ninety-four percent of the soybeans were blooming, compared with 80% last year and 88% for the 5-year average. Soybeans setting pods were 47% compared with 25% last year and 35% for the five-year average.

Days Suitable for Fieldwork: 5.3				
	Very Short	Short	Adequate	Surplus
Topsoil Moisture (%)	4	19	72	5

Crop Progress as of July 31, 2005					
Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
----- Percent -----					
Corn	Silking	98	84	75	87
	Milk	26	4	8	17
	Dough	0	NA	1	1
Soybeans	Blooming	94	82	80	88
	Setting Pods	47	21	25	35
Oats	Turning Ripe	91	84	78	89
	Harvested	33	12	15	24
Barley	Turning Ripe	92	74	56	77
	Harvested	12	NA	4	10
Spring Wheat	Turning Ripe	82	52	54	72
	Harvested	5	NA	1	5

Crop Condition as of July 29, 2005 in %					
	Very Poor	Poor	Fair	Good	Exc
Pasture	2	12	35	45	6
Field Corn	1	6	20	51	22
Soybeans	1	6	26	49	18
Spring Wheat	2	11	44	35	8
Barley	8	11	47	32	2
Oats	4	8	36	45	7
Dry Beans	1	4	42	44	9
Potatoes	0	2	20	58	20
Sunflowers	2	8	52	33	5
Sugarbeets	1	8	35	44	12
Canola	22	30	45	2	1

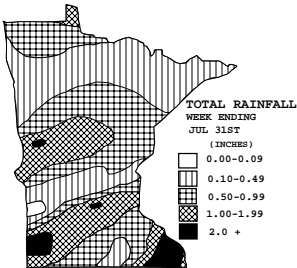
PERCENT OF FIELD CORN IN MILK STAGE
AS OF JULY 31, 2005



Robert Purvis
Agricultural Statistician

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Director

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING July 31, 2005:
Temperatures averaged from 4.7 degrees below normal in the Northwest District to 1.2 degrees below normal in the East Central District. Extremes: 92° in Winnebago; 34° in Hibbing. Precipitation averaged from 0.38 inch below normal in the Northeast District to 0.97 inch above normal in the Southwest District. Greatest weekly total was 4.71 inches recorded in Winona.



Precipitation and Temperature Summary for 7/25/2005 through 7/31/2005

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	From Four Weeks	Since Norm 4/1	Since May 4	Depart from Norm
<u>NW DIST 1</u>										
Crookston	89	47	65.3	-4.9	.31	-.36	-2.31	-.37	1346	-19
Moorhead	91	49	67.9	-3.5	.45	-.14	-1.81	2.24	1449	22
Warroad	85	45	62.2	-5.8	.98	.23	-.28	3.72	1173	-16
<u>NC DIST 2</u>										
Grand Rapids	90	41	64.2	-3.6	.56	-.40	-3.14	-1.76	1267	63
Intl. Falls	83	36	60.0	-6.6	.49	-.21	-1.33	2.62	1100	-29
Itasca	89	43	64.3	-2.5	.52	-.33	-2.64	-.18	1264	146
<u>NE DIST 3</u>										
Duluth	88	44	63.3	-2.9	.50	-.42	-3.19	-.68	1094	65
Grand Marais	78	48	61.0	-1.8	.47	-.25	-2.48	-.09	698	8
Hibbing	86	34	60.6	-5.8	.49	-.48	-2.81	-5.81	1123	32
<u>WC DIST 4</u>										
Alexandria	87	49	67.3	-3.3	1.00	.29	-.81	1.53	1437	67
Browns Valley	89	47	67.8	-5.1	1.06	.32	-.36	3.74	1519	6
Canby	88	49	70.3	-3.3	0	-.67	-1.52	-.61	1665	80
Fergus Falls	89	52	68.1	-2.6	2.00	1.27	-.79	4.66	1486	103
Montevideo	87	46	69.8	-2.5	.12	-.60	.27	3.01	1584	72
Morris	85	46	66.8	-4.7	.97	.12	-.93	2.01	1485	10
<u>CENT DIST 5</u>										
Becker	88	49	69.4	-.8	.35	-.59	-2.41	-.80	1588	224
Collegeville	89	49	70.0	-2.7	.24	-.54	-1.76	1.19	1632	94
Hutchinson	89	50	70.2	-2.0	2.11	1.25	.73	3.26	1616	74
Olivia	91	47	68.3	-3.1	1.65	.90	.39	4.01	1572	63
St. Cloud	88	47	68.2	-2.0	.48	-.27	-1.15	-1.10	1534	170
Staples	87	45	65.4	-2.6	1.21	.45	-1.29	2.50	1333	105
Willmar	87	53	68.2	-3.3	.25	-.54	-1.87	-2.47	1566	71
<u>EC DIST 6</u>										
Aitkin	86	43	67.0	-.1	1.01	.00	-2.07	1.36	1319	158
Forest Lake	91	48	69.6	-1.5	.53	-.50	-2.78	-2.38	1597	140
MSP Airport	91	54	72.2	-1.3	1.56	.65	-.85	-1.65	1760	173
St. Paul - UofM	89	51	71.7	-2.0	1.43	.46	-1.10	-.38	1731	100
<u>SW DIST 7</u>										
Lamberton	86	48	69.3	-2.8	1.34	.55	-.39	3.26	1612	44
Pipestone	86	44	67.2	-4.8	3.25	2.55	2.36	4.63	1551	64
Redwood Falls	88	48	69.6	-4.1	1.58	.75	-.62	1.73	1645	-3
Worthington	85	48	68.7	-2.4	1.03	.28	.39	2.43	1593	131
<u>SC DIST 8</u>										
Faribault	89	51	71.2	-.3	.75	-.24	-2.01	1.11	1603	121
Mankato	88	51	70.5	-1.9	.88	-.06	-2.06	-1.05	1613	68
Waseca	88	50	70.2	-1.2	.45	-.60	-1.31	2.31	1650	134
Winnebago	92	53	70.0	-2.1	.61	-.33	-1.20	3.28	1647	97
<u>SE DIST 9</u>										
Preston	89	48	68.6	-2.0	2.80	1.74	1.73	1.00	1508	93
Red Wing	89	55	70.9	-1.6	.56	-.38	-2.00	-2.52	1656	129
Rochester	83	50	68.1	-2.2	1.22	.17	-1.40	-3.27	1601	198
Rosemount	88	51	69.2	-2.7	.66	-.40	-1.76	-4.11	1630	92
Winona	90	54	71.2	-3.7	4.71	3.76	2.59	.83	1708	12

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

The MINNESOTA WEEKLY CROP-WEATHER REPORT (USPS-387190) is published weekly in April through November (crop season). Subscription rates are \$15.00 per year for non-reporters and free to survey respondents by the Minnesota Agricultural Statistics Service, P O Box 7068, St. Paul, MN 55107. Periodicals postage paid at St. Paul, Minnesota and other mailing offices. POSTMASTER: Send address changes to the MINNESOTA WEEKLY CROP-WEATHER REPORT, P O Box 7068, St. Paul, MN 55107.

Address Service Requested

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